

§ 180.438 Lambda-cyhalothrin; tolerances for residues. (As of 1/29/99)

(a) *General.* (1) Tolerances are established for the combined residues of the pyrethroid lambda-cyhalothrin, 1:1 mixture of (S)-α-cyano-3-phenoxybenzyl-(Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (R)-α-cyano-3-phenoxybenzyl-(Z)-(1S,3S)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and its epimer expressed as epimer of lambda-cyhalothrin, a 1:1 mixture of (S)-α-cyano-3-phenoxybenzyl-(Z)-(1S,3S)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (R)-α-cyano-3-phenoxybenzyl-(Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate, on plants and livestock, as indicated in the following table.

Commodity	Parts per million
Alfalfa, forage,	5.0
Alfalfa, hay	6.0
Aspirated grain fractions	2.0
Brassica, head and stem subgroup,	0.4
Cattle, fat	3.0
Cattle, meat	0.2
Cattle, mbyp	0.2
Corn, grain (field and pop)	0.05
Corn, fodder	1.0
Corn, forage	6.0
Corn, grain flour	0.15
Corn, sweet (K+whr)	0.05
Cottonseed	0.05
Dry bulb onion	0.1
Eggs	0.01
Garlic	0.1
Goats, fat	3.0
Goats, meat	0.2
Goats, mbyp	0.2
Hogs, fat	3.0
Hogs, meat	0.2
Hogs, mbyp	0.2
Horses, fat	3.0
Horses, meat	0.2
Horses, mbyp	0.2
Lettuce, head	2.0
Lettuce, leaf	2.0
Milk, fat (reflecting 0.2 ppm in whole milk)	5.0
Peanuts	0.05
Poultry, fat	0.03
Poultry, meat	0.01
Poultry, mbyp	0.01
Rice, grain	1.0
Rice, hulls	5.0
Rice, straw	1.8
Sheep, fat	3.0
Sheep, meat	0.2
Sheep, mbyp	0.2
Soybeans	0.01
Sorghum, grain	0.2
Sunflower, forage	0.2
Sunflower, hulls	0.50
Sunflower, oil	0.30
Sunflowers, seeds	0.2
Tomatoes	0.1
Tomato pomace (dry or wet)	6.0
Wheat, forage	2.0
Wheat, grain	0.05

Commodity	Parts per million
Wheat, hay	2.0
Wheat, straw	2.0
Wheat, bran	0.2

(2) A food additive tolerance of 0.01 part per million is established for residues of the insecticide [1α(S*),3α(Z)]-(±)-cyano(3-phenoxyphenyl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate (lambda-cyhalothrin) as follows:

(i) In or on all food items (other than those already covered by a higher tolerance as a result of use on growing crops) in food-handling establishments where food products are held, processed, or prepared.

(ii) Application shall be limited solely to spot and/or crack and crevice treatment with a spray solution maximum of a 0.06-percent active ingredient by weight. Food must be removed or covered during treatment. Spray should not be applied directly to surfaces or utensils that may come into contact with food. Food-contact surfaces and equipment should be thoroughly cleaned with an effective cleaning compound and rinsed with potable water before using.

(iii) For spot treatment, a coarse low-pressure spray shall be used. Limit individual spot treatments to an area no larger than 20 percent of the surface area. Any individual spot treatment shall not exceed 2 square feet.

(iv) For crack and crevice treatment, equipment capable of delivering a pin-stream of spray directly into the cracks and crevices shall be used.

(v) To assure safe use of the additive, its label and labeling shall conform to that registered with the U.S. Environmental Protection Agency, and it shall be used in accordance with such label and labeling.

(3) A food additive tolerance is established for residues of the insecticide [1α(S*),3α(Z)]-(±)-cyano-(3-phenoxyphenyl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate as follows:

Commodity	Parts per million
Hops, dried	10.0

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for combined residues of the insecticide lambda-cyhalothrin (a 1:1 mixture of (S)-α-cyano-3-phenoxybenzyl-(Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (R)-α-cyano-3-phenoxybenzyl-(Z)-(1S,3S)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and its epimer a 1:1 mixture of (S)-α-cyano-3-phenoxybenzyl-(Z)-

(1S,3S)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclo-propanecarboxylate and (R)- α -cyano-3-phenoxybenzyl (Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclo-propanecarboxylate in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. The tolerances will expire and are revoked on the dates specified in the following table.

Commodity	Parts per million	Expiration/revocation date
Barley, bran	0.2	12/31/00
Barley, grain	0.05	12/31/00
Barley, hay	2.0	12/31/00
Barley, straw	2.0	12/31/00
Canola, seed	0.1	12/31/00
Flax, seed	0.1	12/31/00
Sugarcane	0.03	12/31/00

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]